

Wear resistant uncured rubber for fine slurry applications



Linatex® VS is an uncured natural rubber compound designed specifically for use in fine slurry applications where hot bonding is the preferred method of installation.

Using the same formulation principles employed in its industry standard Linatex Premium Rubber, we have created a product that worldwide field tests confirm provides a differentiated wear performance, when compared to competitor uncured natural rubber compounds.

Features

- Proven 'best in class' wear performance in fine slurry abrasion when compared to other uncured rubbers
- Suitable for hot bonding
- Delivers lowest cost of ownership
- Ideally suited for autoclave curing and compression moulding
- 6 month shelf life

Applications

- Pipelines
- Chutes
- Tank linings
- Hoses



Bonding Systems and Installation

Specifically designed two part bonding systems are available from Weir Minerals. Please consult your local representative for advice on the most suitable bonding method.

www.weirminerals.com

Typical Physical Properties

	TEST STANDARD	LINATEX VS
Polymer Type		Natural Rubber
Hardness (IRHD)	ISO 48 -1994	40
Modulus @500% (MPa)	ISO 37 – 2005	3.2
Tensile Strength (MPa)	ISO 37 – 2005	21.5 (3118 psi)
Elongation at Break	ISO 37 – 2005	750%
Tear Strength (N/mm)	ISO 34 – 2004 (Method C)	43 (245 lbf/in)
Specific Gravity	BS 903: Part A1: 1995	0.95
Resilience	BS 903: Part A8: 1990	83%
Operating Temperatures (Continuous use)		-40°C to +70°C / -40°F to +158°F
Colour		Red

Size / Availability

Standard Sheet dimensions will vary within each Linatex global region. Please contact your local Weir Minerals office to confirm.

- Standard thickness range:
6.0 mm, 10.0 mm and 12.0 mm
(approx. ¼", 3⁄8" and ½")

Storage

The shelf life of the Linatex VS compound is dependent upon the temperature at which the compound is stored.

- 6 months at or below 40°C / 104°F.
- Do not store under direct heat or sunlight.

Curing Parameters Typical Rheological Properties

Rheometer Machine: ODR 2000. 3° Arc
Testing Temperature: 140°C / 284°F

PROPERTY	UNIT	LINATEX VS
ML	lb-in	15.00
MH	lb-in	52.50
Ts2	Minute	10.00
Tc90	Minute	21.00

Autoclave Cure Conditions

PRODUCT THICKNESS	120°C / 248°F	140°C / 284°F
6mm / ¼"	180 minutes	60 minutes
12mm / ½"	210 minutes	90 minutes
24mm / 1"	240 minutes	120 minutes

LINATEX® Rubber Products

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